

An aerial photograph of a river with white water rapids. The water is a mix of dark green and white foam. Several bright blue lightning bolts are striking the water, creating a dramatic effect. The text 'Balancing Costs Portfolio' is overlaid in white on the lower half of the image.

Balancing Costs Portfolio

Balancing Costs Portfolio

Category	Initiative / Activity	Implementation Stage
Network Planning & Optimisation	<u>Constraint Management Pathfinder (Intertrip Service)</u>	Active
	<u>Regional Development Programmes (RDP)</u>	Active
	<u>Power Potential</u>	Active
	<u>Accelerated Strategic Transmission Investment (ASTI) framework</u>	Active
	<u>Pathfinder Project – Voltage</u>	Active
	<u>Pathfinder Project – Stability</u>	Active (Not Yet Begun)
	<u>ESO Improvements to Outage Optimisation Methodology</u>	Active
	<u>Western Link HVDC (part of ASTI)</u>	Active
	<u>Eastern Link HVDC (part of ASTI)</u>	Under Review
	<u>Connections Reform – Underway but being formulated</u>	Active
	<u>Auto-Switching Software</u>	Trial
	<u>Storage to Relieve Constraints – Strategic Cycling</u>	To be considered
	<u>Location of future onshore wind*</u>	To be considered (FSO)
	<u>Location of Electrolysers*</u>	To be considered (FSO)
<u>Location of new Nuclear (SMRs)*</u>	To be considered (FSO)	

* Whilst the ESO does not decide energy policy, influencing whole energy system planning is potentially in scope for the FSO

Active = Initiative is currently operational

Under Review = Initiative is being reviewed externally

Under Consideration = Initiative is being reviewed internally

Trial = Initiative not yet fully live, but being trialled

To be considered = ESO to conduct a review and to formulate a view

To be considered (FSO) = To be considered as part of the wider remit of the FSO although some analysis is currently being performed by the ESO



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Commercial Mechanisms	<u>Single Markets Platform</u>	Active
	<u>Response Reform : Optimise response DC, DM, DR</u>	Active
	<u>Reserve Reform e.g. balancing reserve, slow reserve, quick reserve</u>	Active
	<u>Improvements to BSUoS forecasts (Part of the 5 Point Plan)</u>	Active
	<u>Trading Activities and New Initiatives</u>	Active
	<u>Local Constraints Market</u>	Under Consideration
	<u>Market monitoring: CfD interaction with BM review, delay-de-sync</u>	Under Consideration
	<u>Voltage strategy – market for reactive power</u>	Under Consideration
	<u>Stability Market</u>	Under Consideration
	<u>BM Accessibility</u>	Under Consideration
	<u>Locational Pricing*</u>	To be considered (FSO)
	<u>Non-marginal Pricing*</u>	To be considered (FSO)
	<u>Review of constraint payments*</u>	To be considered (FSO)

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Research, Innovation, Engagement	<u>Innovation D Heat project with SSEN</u>	Active
	<u>SO:TO Optimisation trial OTI-F / STCP11.4</u>	Active
	<u>TAC: Technology Advisory council</u>	Active
	<u>Inertia monitoring and forecasting</u>	Active
	<u>FRCR</u>	Active
	<u>Dynamic Line Rating</u>	Trial

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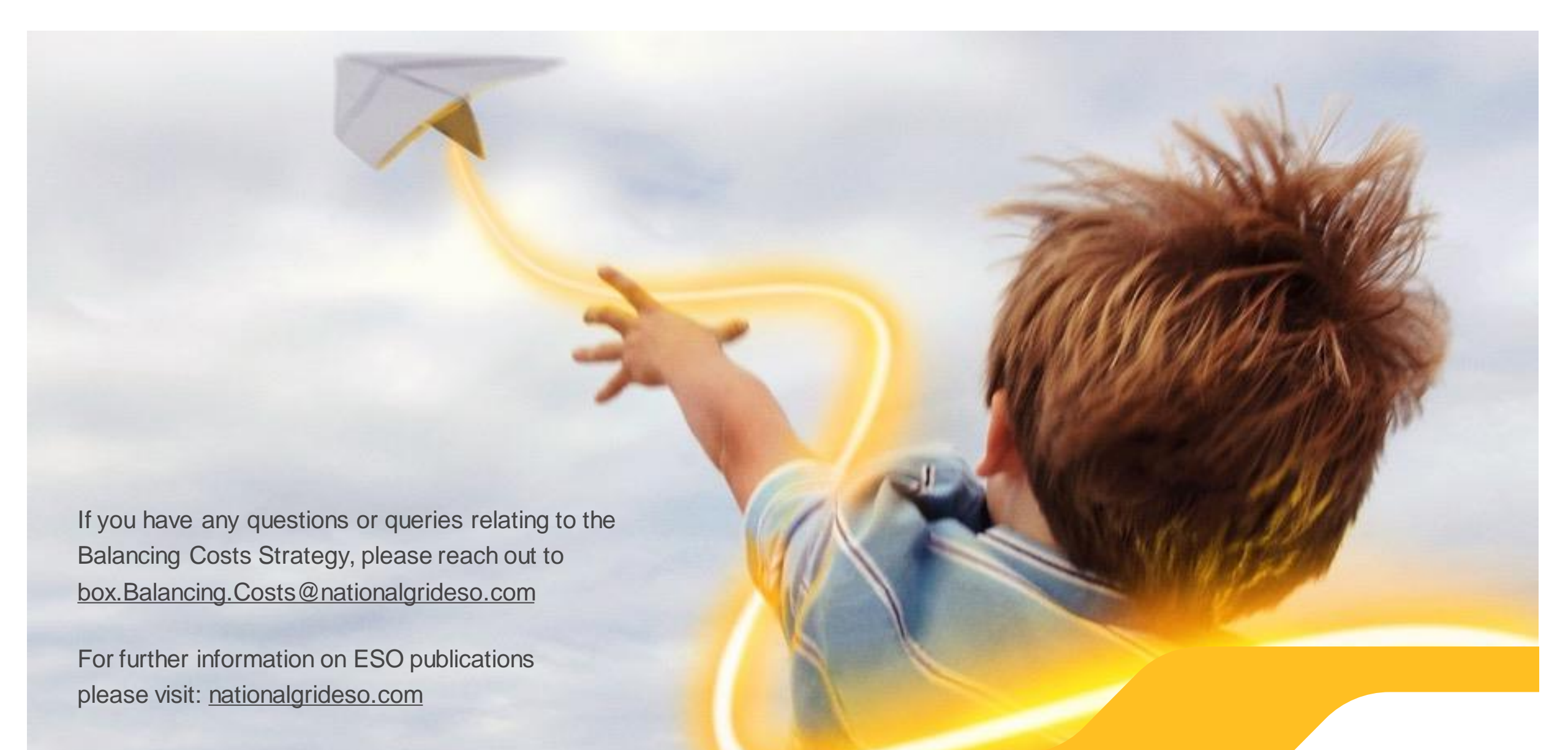


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Control Room Systems	Balancing capability Strategic Review Report	Active
	Platform for Energy Forecasting (PEF)	Active
	Open Balancing Platform	Active
	Balancing Asset Health	Active
	Operational Visibility of DER (A15.8)	Active
	SCADA enhancement	Under Consideration

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If you have any questions or queries relating to the Balancing Costs Strategy, please reach out to box.Balancing.Costs@nationalgrideso.com

For further information on ESO publications please visit: nationalgrideso.com